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FIG. 1

System Block		Address	Field	Value	Size	Bit						Notes
Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0					
		+0	BlockID	1 byte								Block ID
		+1	DataLength	1 byte								Byte count from +2, parity byte not included
		+2	<u>Acc_type high</u>	1 byte								
			MasterType	6 bit					#	#		MasterType
			SubType MSB	2 bit	#	#	#	#	#	#		SubType high
		+3	<u>Acc_type low</u>	1 byte								
			SubType LSB	3 bit				#	#	#	#	SubType low
			Acc_ID	5 bit	#	#	#					Accessory identification number
		+4	Parity byte	1 byte								Odd parity for each bit

FIG. 2

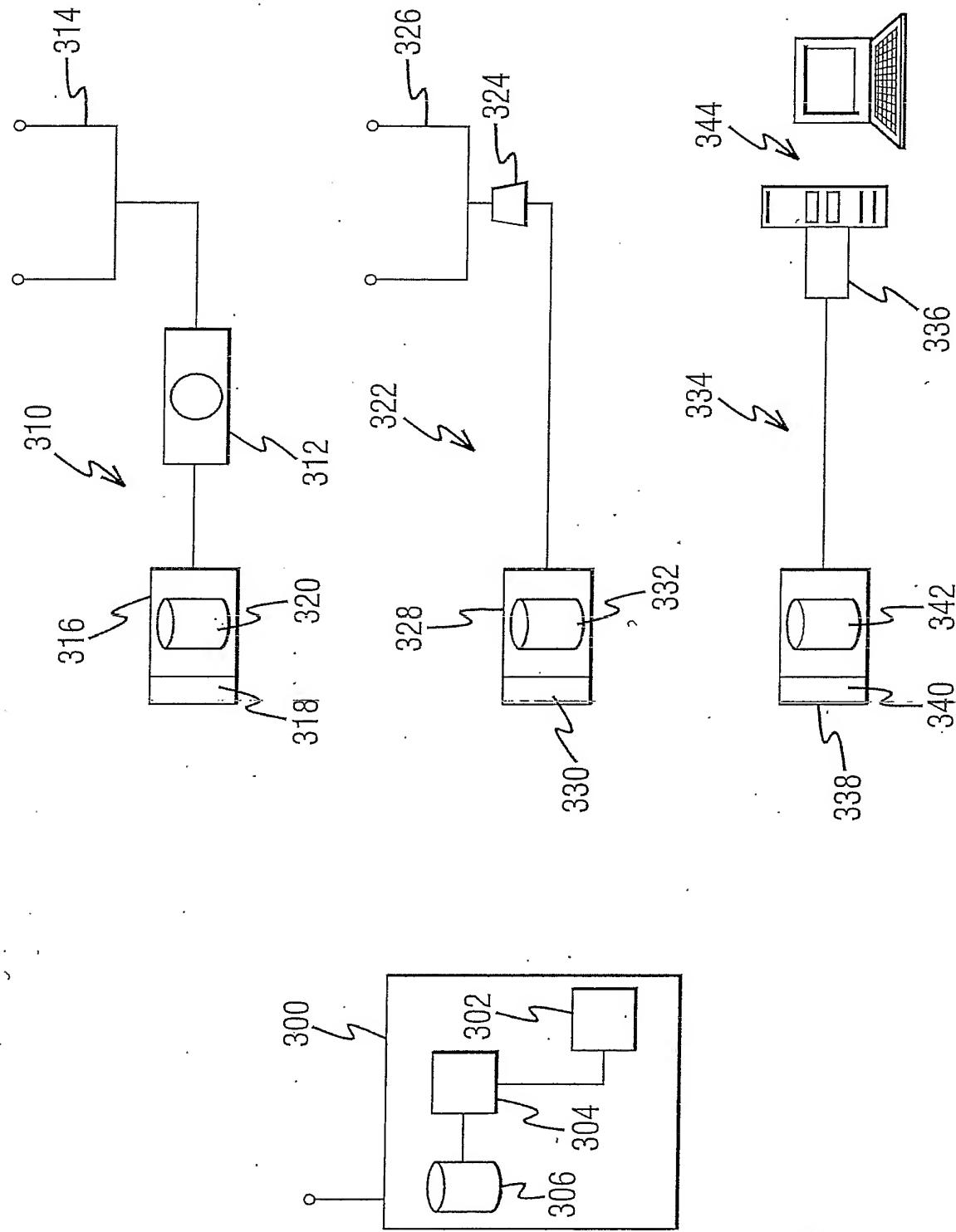
<b>Category 3A</b> Services: Nokia internal protocols MEBU Products: Camera Headset, Remote Control Headset, Advanced car products	<b>Category 2A</b> Services: Stereo Audio, ACI I/O pins. Specific ID MEBU Products: Stereo Headset, Basic Carkit, MusicStand	<b>Category 1</b> Services: Mono audio, basic data (modem AT- Commands, RS-232). MEBU Products: Mono headset, data cable & using phone as modem.
<b>Category 3B</b> Services: Nokia LC SWIF MEBU Products: All future smart enhancements	<b>Category 2B</b> Services: Stereo Audio, ACI I/O pins, Generic ID MEBU Products: Music Pouch	

ACI,  
Basic enhancements

No ACI,  
Simple enhancements

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FIG. 3



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FIG. 4

Generic ID System Block		Field	Value	Size	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	Notes
+0	<u>Block_ID</u>		4 bits					#	#	#	#	#	Block ID
	<u>Device_ID</u>		12 bits		#	#	#	#					
													Device_ID
+2	<u>Resource_ID</u>		1 byte										
+3	<u>Device_type</u>		3 bits					#	#	#	#	#	Device type
	<u>Spare</u>		5 bits		#	#	#						Spare
+4	<u>I/O_Inf</u>		8 byte										
					1 bit			#	#	#	#	#	Feature active state (0/1)
						7 bit		#					Feature for I/O-pin (0...7)
+12	<u>I/O input/output</u>		1 byte										"1" = Output, "0" = Input

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FIG. 5

<b>Resource_ID field</b>	
<b>Bit</b>	<b>Sub field</b>
0	NBUS
1	FBUS
2	USB
3	Audio
4	Music playback
5	FM antenna
6	Spare
7	Spare

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FIG. 6

Audio Block		Value	Size	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	Notes
Address	Field											
+14	Uplink sensitivity							#	#	#	#	Uplink sensitivity (Mic Gain)
		5 bits										AEC table selection
+15	Downlink volume			3 bits	#	#	#	#				
				5 bits					#	#	#	Downlink sensitivity (Output Gain)
				3 bits	#	#	#	#				Max output level
+16	Enhancement Switchers											
		1 bit		#	#	#	#	#	#	#	#	Up alwe on/off
		1 bit		#	#	#	#	#	#	#	#	Down alwe on/off
		2 bits		#	#	#	#	#	#	#	#	Output switcher
		1 bit		#	#	#	#	#	#	#	#	Mic on/off
		2 bits		#	#	#	#	#	#	#	#	DRC target value
+17	Parametric wideb EQ		9 bytes									Input impedance
+31	Parity byte		1 byte									Odd parity for each bit over the whole block

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FIG. 7

